EXHIBIT 1

```
###
Tue Feb  5 15:21:51 2002 [BLASTN 2.2.1 [Jul-12-2001], NCBI]

/home/ruby/va/Molbio/carpenda/tempids/ss.DNA82340 (1102 bp)
       /home/ruby/va/Molbio/carpenda/tempids/ss.DNA82340

Sequences producing High-scoring Segment Pairs:      Frame Score Match Pct E-val
  1 P_AAF92125 Human PRO1926 cDNA.                     +  1094  1094 100   0.0
  2 P_AAS46118 Human DNA encoding PRO polypeptide seque +  1094  1094 100   0.0
  3 P_AAC59825 Human secreted protein encoding DNA clon +  1086  1092 100   0.0
  4 P_AAV34218 Human secreted protein gene 65 clone HSR +  1069  1076 100   0.0
  5 HSA250344  Homo sapiens mRNA for chromosome 11 hypo +  1064  1070 100   0.0
  6 AF242729   Homo sapiens HT022 mRNA, complete cds.   +  1048  1055 100   0.0
  7 P_AAH24361 Human hARP-20kDs protein cDNA.           +  1046  1046 100   0.0
  8 BC012456   Homo sapiens, clone IMAGE:3882530, mRNA, +  1031  1037 100   0.0
  9 HSA245874  Homo sapiens mRNA for putative ATG/GTP b +  1020  1022 100   0.0

GenBank (Release 143, aug 2004)

1094 100   0.0
P_AAF92125  Human PRO1926 cDNA. 094 bp, cDNA, PAT 15-MAY-2001
ACCESSION   P_AAF92125
KEYWORDS    GENESEQ; Human; PRO protein; mapping;  patent; patentdb (v200420,
          23-SEP-2004).
SOURCE      Homo sapiens.
  ORGANISM  Homo sapiens.
REFERENCE   1  (bases 1 to 1094)
  AUTHORS   Eaton,D.L.,  Filvaroff,E.,  Gerritsen,M.E.,  Goddard,A.,
          Godowski,P.J. Grimaldi,C.J.,  Gurney,A.L.,  Watanabe,C.K.,
          Wood,W.I.
  TITLE     Eighty four nucleic acids encoding PRO polypeptides, useful in
          molecular  biology, including use as hybridization probes, and in
          chromosome and  gene mapping.
  JOURNAL   Patent: WO200116318-A2; Filing Date: 24-AUG-2000; 2000WO-US023328;
          Publication Date: 08-MAR-2001; Priority: 01-SEP-1999;
          99WO-US020111. 15-SEP-1999;   99WO-US021090. 07-DEC-1999;
          99US-0169495P. 09-DEC-1999;   99US-0170262P. 11-JAN-2000;
          2000US-0175481P. 18-FEB-2000; 2000WO-US004341. 18-FEB-2000;
          2000WO-US004342. 22-FEB-2000; 2000WO-US004414. 01-MAR-2000;
          2000WO-US005601. 03-MAR-2000; 2000US-0187202P. 21-MAR-2000;
          2000US-0191007P. 30-MAR-2000; 2000WO-US008439. 25-APR-2000;
          2000US-0199397P. 22-MAY-2000; 2000WO-US014042. 05-JUN-2000;
          2000US-0209832P; Assignee: (GETH ) GENENTECH INC; Cross Reference:
          WPI; 2001-183260/18. P-PSDB; AAB87593; Patent Format: Claim 2; Fig
          135; 278pp; English.
COMMENT     The present sequence is the coding sequence for a human PRO
          polypeptide  (secreted and transmembrane). The PRO protein, and PRO
          agonists, PRO  antagonists or anti-PRO antibodies are useful for
          preparation of a  medicament useful in the treatment of a condition
          which is responsive to  the PRO protein, agonists, antagonists or
          anti-PRO antibodies. The PRO  protein may also be employed as
          molecular weight markers for protein  electrophoresis. The PRO
          coding sequence has applications in molecular  biology, including
          use as hybridisation probes, and in chromosome and  gene mapping
FEATURES             Location/Qualifiers
BASE COUNT      311 a    214 c    271 g    298 t
ORIGIN
```

1094 100 0.0
P_AAS46118 Human DNA encoding PRO polypeptide sequence #194. 094 bp, cDNA, PAT 18-DEC-2001
ACCESSION P_AAS46118
KEYWORDS GENESEQ; PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss; dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha; blood; chondrocyte cell; cell proliferation; cell differentiation; colon; adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder; PCR primer; patent; patentdb (v200420, 23-SEP-2004).
SOURCE Homo sapiens.
ORGANISM Homo sapiens.
REFERENCE 1 (bases 1 to 1094)
AUTHORS Baker,K.P., Chen,J., Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. Pan,J., Smith,V., Watanabe,C.K., Wood,W.I., Zhang,Z.
TITLE Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.
JOURNAL Patent: WO200168848-A2; Filing Date: 28-FEB-2001; 2001WO-US006520; Publication Date: 20-SEP-2001; Priority: 01-MAR-2000; 2000WO-US005601. 02-MAR-2000; 2000WO-US005841. 03-MAR-2000; 2000US-0187202P. 06-MAR-2000; 2000US-0186968P. 14-MAR-2000; 2000US-0189320P. 14-MAR-2000; 2000US-0189328P. 15-MAR-2000; 2000WO-US006884. 21-MAR-2000; 2000US-0190828P. 21-MAR-2000; 2000US-0191007P. 21-MAR-2000; 2000US-0191048P. 21-MAR-2000; 2000US-0191314P. 28-MAR-2000; 2000US-0192655P. 29-MAR-2000; 2000US-0193032P. 29-MAR-2000; 2000US-0193053P. 30-MAR-2000; 2000WO-US008439. 04-APR-2000; 2000US-0194449P. 04-APR-2000; 2000US-0194647P. 11-APR-2000; 2000US-0195975P. 11-APR-2000; 2000US-0196000P. 11-APR-2000; 2000US-0196187P. 11-APR-2000; 2000US-0196690P. 11-APR-2000; 2000US-0196820P. 18-APR-2000; 2000US-0198121P. 18-APR-2000; 2000US-0198585P. 25-APR-2000; 2000US-0199397P. 25-APR-2000; 2000US-0199550P. 25-APR-2000; 2000US-0199654P. 03-MAY-2000; 2000US-0201516P. 17-MAY-2000; 2000WO-US013705. 22-MAY-2000; 2000WO-US014042. 30-MAY-2000; 2000WO-US014941. 02-JUN-2000; 2000WO-US015264. 05-JUN-2000; 2000US-0209832P. 28-JUL-2000; 2000WO-US020710. 22-AUG-2000; 2000US-00644848. 24-AUG-2000; 2000WO-US023328. 08-NOV-2000; 2000WO-US030952. 01-DEC-2000; 2000WO-US032678. 20-DEC-2000; 2000WO-US034956; Assignee: (GETH) GENENTECH INC; Cross Reference: WPI; 2001-602746/68. P-PSDB; AAU29217; Patent Format: Claim 2; Fig 387; 774pp; English.
COMMENT Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR primers for PRO polypeptides of the invention. The sequences of the invention can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung,

colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders

FEATURES Location/Qualifiers

BASE COUNT 311 a 214 c 271 g 298 t

ORIGIN

1092 100 0.0

P_AAC59825 Human secreted protein encoding DNA clone vo25 1. 159 bp, DNA, PAT 26-JAN-2001

ACCESSION P_AAC59825

KEYWORDS GENESEQ; Secreted protein; human; autoimmune disorder; multiple sclerosis; ulcer; systemic lupus erythematosus; rheumatoid arthritis; anaemia; stroke; haematopoiesis regulation; tissue regrowth; wound healing; haemophilia; Alzheimer's disease; Parkinson's disease; Shy-drager syndrome; cancer; contraceptive; infection; growth inhibition; hyperproliferative disorder; psoriasis; patent; patentdb (v200420, 23-SEP-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 1159)

AUTHORS Valenzuela,D., Yuan,O., Hoffman,H., Hall,J., Rapiejko,P.

TITLE Novel proteins and polypeptides useful for the treatment of e.g multiple sclerosis, systemic lupus erythmatosus, rheumatoid arthritis, cancer, Alzheimer's disease, Parkinson's disease, stroke, anemia and ulcers.

JOURNAL Patent: WO200055375-A1; Filing Date: 17-MAR-2000; 2000WO-US007285; Publication Date: 21-SEP-2000; Priority: 17-MAR-1999; 99US-0124808P. 17-MAR-1999; 99US-0124916P. 17-AUG-1999; 99US-0149639P. 01-OCT-1999; 99US-0157247P. 29-NOV-1999; 99US-0167824P. 15-FEB-2000; 2000US-0182711P; Assignee: (ALPH-) ALPHAGENE INC; Cross Reference: WPI; 2000-638211/61. P-PSDB; AAB34724; Patent Format: Claim 84; Page 437; 493pp; English.

COMMENT This invention relates to 59 human secreted proteins and the nucleotide sequences encoding them. Sequences AAC59788-C59846 and AAB34687-B34745 represent the proteins and their encoding nucleotide sequences, and sequences AAB34746-B34771 represent fragments of the proteins. Probes for the DNA sequences are represented by sequences AAC59847-C59596. The proteins exhibit neuroprotective, dermatological, immunosuppressive, antiinflammatory, antianaemic, nootropic, antiparkinsonian, cerebroprotective, haemostatic, vulnerary, cytostatic, antipsoriatic, antibacterial, virucide, and fungicide activity. The proteins and nucleotide sequences are useful as nutritional sources or supplements and in research. The proteins are useful for treating immune deficiency and disorders, which may be genetic or resulting from infections, autoimmune disorders such as multiple sclerosis, systemic lupus erythmatosus, rheumatoid arthritis, and for treating myeloid or lymphoid cell deficiencies such as anaemias by regulating haematopoiesis. The proteins are also useful in compositions for bone, cartilage, tendon, ligament and/or nerve tissue growth or regeneration, for wound healing, tissue repair and replacement and in the treatment of wounds, incisions and ulcers. Other uses include in the treatment of central and peripheral nervous system and neuropathies such as Alzheimer's and Parkinson's diseases and Shy-Drager syndrome, and mechanical and traumatic

disorders, such as spinal cord disorders, head trauma and stroke. The proteins may also be used as a contraceptive, and for treating coagulation disorders such as haemophilias. The protein and nucleotide sequences with cadherin activity are useful for treating cancer. Other uses for the protein include for inhibiting the growth, infection or function of, or killing, infectious agents such as bacteria, virus, fungi and other parasites, for effecting bodily characteristics such as height, weight, hair colour, effecting biorhythms or cardiac cycles or rhythms, effecting metabolism, catabolism, anabolism, processing, utilization, storage or elimination of dietary fat, lipid, protein, carbohydrate, vitamins, minerals, cofactors, effecting behavioural characteristics, providing analgesic effects and for treating hyperproliferative disorders such as psoriasis

FEATURES Location/Qualifiers

BASE COUNT 333 a 226 c 298 g 302 t

ORIGIN

1076 100 0.0

P_AAV34218 Human secreted protein gene 65 clone HSREG44. 133 bp, DNA, PAT 25-MAR-2003

ACCESSION P_AAV34218

KEYWORDS GENESEQ; Human; secreted protein; fusion protein; gene therapy; protein therapy; diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia; developmental abnormality; foetal deficiency; blood; allergy; renal; ds; immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma; inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS; cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus; osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion; endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm; patent; patentdb (v200420, 23-SEP-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 1133)

AUTHORS Ruben,S.M., Rosen,C.A., Fischer,C.L., Soppet,D.R., Carter,K.C. Bednarik,D.P., Endress,G.A., Yu,G., Ni,J., Feng,P., Young,P.E., Greene,J.M. Ferrie,A.M., Duan,R., Hu,J., Florence,K.A., Olsen,H.S., Ebner,R., Brewer,L.A. Moore,P.A., Shi,Y., Lafleur,D.W., Li,Y., Zeng,Z., Kyaw,H.

TITLE New isolated human genes and the secreted polypeptides they encode - useful for diagnosis and treatment of e.g. cancers, neurological disorders, immune diseases, inflammation or blood disorders.

JOURNAL Patent: WO9839446-A2; Filing Date: 06-MAR-1998; 98WO-US004482; Publication Date: 11-SEP-1998; Priority: 07-MAR-1997; 97US-0038621P. 07-MAR-1997; 97US-0040161P. 07-MAR-1997; 97US-0040162P. 07-MAR-1997; 97US-0040163P. 07-MAR-1997; 97US-0040333P. 07-MAR-1997; 97US-0040334P. 07-MAR-1997; 97US-0040336P. 07-MAR-1997; 97US-0040626P. 11-APR-1997; 97US-0043311P. 11-APR-1997; 97US-0043312P. 11-APR-1997; 97US-0043313P. 11-APR-1997; 97US-0043314P. 11-APR-1997; 97US-0043315P. 11-APR-1997; 97US-0043568P. 11-APR-1997; 97US-0043569P. 11-APR-1997; 97US-0043576P. 11-APR-1997; 97US-0043578P. 11-APR-1997; 97US-0043580P. 11-APR-1997; 97US-0043669P. 11-APR-1997; 97US-0043670P. 11-APR-1997; 97US-0043671P. 11-APR-1997; 97US-0043672P. 11-APR-1997; 97US-0043674P. 23-MAY-1997; 97US-0047492P. 23-MAY-1997;

97US-0047500P. 23-MAY-1997; 97US-0047501P. 23-MAY-1997;
97US-0047502P. 23-MAY-1997; 97US-0047503P. 23-MAY-1997;
97US-0047581P. 23-MAY-1997; 97US-0047582P. 23-MAY-1997;
97US-0047583P. 23-MAY-1997; 97US-0047584P. 23-MAY-1997;
97US-0047585P. 23-MAY-1997; 97US-0047586P. 23-MAY-1997;
97US-0047587P. 23-MAY-1997; 97US-0047588P. 23-MAY-1997;
97US-0047589P. 23-MAY-1997; 97US-0047590P. 23-MAY-1997;
97US-0047592P. 23-MAY-1997; 97US-0047593P. 23-MAY-1997;
97US-0047594P. 23-MAY-1997; 97US-0047595P. 23-MAY-1997;
97US-0047596P. 23-MAY-1997; 97US-0047597P. 23-MAY-1997;
97US-0047598P. 23-MAY-1997; 97US-0047599P. 23-MAY-1997;
97US-0047600P. 23-MAY-1997; 97US-0047601P. 23-MAY-1997;
97US-0047612P. 23-MAY-1997; 97US-0047613P. 23-MAY-1997;
97US-0047614P. 23-MAY-1997; 97US-0047615P. 23-MAY-1997;
97US-0047617P. 23-MAY-1997; 97US-0047618P. 23-MAY-1997;
97US-0047632P. 23-MAY-1997; 97US-0047633P. 06-JUN-1997;
97US-0048964P. 06-JUN-1997; 97US-0048974P. 22-AUG-1997;
97US-0056630P. 22-AUG-1997; 97US-0056631P. 22-AUG-1997;
97US-0056632P. 22-AUG-1997; 97US-0056636P. 22-AUG-1997;
97US-0056637P. 22-AUG-1997; 97US-0056662P. 22-AUG-1997;
97US-0056664P. 22-AUG-1997; 97US-0056845P. 22-AUG-1997;
97US-0056862P. 22-AUG-1997; 97US-0056864P. 22-AUG-1997;
97US-0056872P. 22-AUG-1997; 97US-0056874P. 22-AUG-1997;
97US-0056875P. 22-AUG-1997; 97US-0056876P. 22-AUG-1997;
97US-0056877P. 22-AUG-1997; 97US-0056878P. 22-AUG-1997;
97US-0056879P. 22-AUG-1997; 97US-0056880P. 22-AUG-1997;
97US-0056881P. 22-AUG-1997; 97US-0056882P. 22-AUG-1997;
97US-0056884P. 22-AUG-1997; 97US-0056886P. 22-AUG-1997;
97US-0056887P. 22-AUG-1997; 97US-0056888P. 22-AUG-1997;
97US-0056889P. 22-AUG-1997; 97US-0056892P. 22-AUG-1997;
97US-0056893P. 22-AUG-1997; 97US-0056894P. 22-AUG-1997;
97US-0056903P. 22-AUG-1997; 97US-0056908P. 22-AUG-1997;
97US-0056909P. 22-AUG-1997; 97US-0056910P. 22-AUG-1997;
97US-0056911P. 05-SEP-1997; 97US-0057650P. 05-SEP-1997;
97US-0057761P; Assignee: (HUMA-) HUMAN GENOME SCI INC; Cross Reference: WPI; 1998-609887/51. P-PSDB; AAW75121; Patent Format: Claim 1; Page 220-221; 447pp; English.

COMMENT This sequence represents a nucleic acid molecule which encodes a secreted human protein. The gene number, and the clone it is derived from, are detailed in the descriptor line. The gene can be used to generate fusion proteins by linking to the gene to a human immunoglobulin Fc portion (e.g. AAV34145) for increasing the stability of the fused protein as compared to the human protein only. The invention relates to 70 novel genes and their fragments (nucleic acid sequences: AAV34154-V34276; amino acid sequences AAW75057-W75179) which are useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. Also, pathological conditions can be diagnosed by determining the amount of the new polypeptides in a sample or by determining the presence of mutations in the new polynucleotides. Specific uses are described for each of the 70 polynucleotides, based on which tissues they are most highly expressed in (see AAV34154 for described uses). (Updated on 25-MAR-2003 to correct PF field.) (Updated on 25-MAR-2003 to correct PI field.)

FEATURES Location/Qualifiers

BASE COUNT 311 a 227 c 287 g 306 t

ORIGIN

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1070 100   0.0
HSA250344   Homo sapiens mRNA for chromosome 11 hypothetical protein (ORF3).
          1072 bp, mRNA, linear, PRI 14-JUL-2000
ACCESSION   AJ250344
VERSION     AJ250344.1  GI:8926688
KEYWORDS    ORF3.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
  AUTHORS   O'Brien,K.P., Tapia-Paez,I., Stahle-Backdahl,M., Kedra,D. and
          Dumanski,J.P.
  TITLE     Characterization of five novel human genes in the 11q13-q22 region
  JOURNAL   Biochem. Biophys. Res. Commun. 273 (1), 90-94 (2000)
  MEDLINE   20334234
   PUBMED   10873569
REFERENCE   2  (bases 1 to 1072)
  AUTHORS   O'Brien,K.P.
  TITLE     Direct Submission
  JOURNAL   Submitted (15-OCT-1999) O'Brien K.P., Molecular Medicine,
          Karolinska Institute, CMM L8:00 Karolinska Hospital Stockholm
          Sweden, S-171 76, Sweden
FEATURES             Location/Qualifiers
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                     containing cytoplasmic protein"
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                     /db_xref="GOA:Q9NPA0"
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                     /note="Putative cleavable signal peptide (aa 1 to 23)"
     misc_feature    698..722
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                     /note="ATP/GTP-binding site motif A (P-loop) (aa 229-236
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     polyA_signal    995..1000
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BASE COUNT
ORIGIN

1055 100   0.0
AF242729    Homo sapiens HT022 mRNA, complete cds. 1083 bp,
          mRNA, linear, PRI 02-JAN-2001
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ACCESSION AF242729
VERSION AF242729.1 GI:12005494
KEYWORDS FLI_CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1083)
AUTHORS Xu,X., Yang,Y., Gao,G., Xiao,H., Chen,Z. and Han,Z.
TITLE Direct Submission
JOURNAL Submitted (08-MAR-2000) Chinese National Human Genome Center at Shanghai, 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201203, People's Republic of China
FEATURES Location/Qualifiers
source 1..1083
/organism="Homo sapiens"
/mol_type="mRNA"
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/tissue_type="hypothalamus"
CDS 51..779
/codon_start=1
/product="HT022"
/protein_id="AAG44477.1"
/db_xref="GI:12005495"
BASE COUNT
ORIGIN

1046 100 0.0
P_AAH24361 Human hARP-20kDs protein cDNA. 101 bp, cDNA, PAT 01-AUG-2001
ACCESSION P_AAH24361
KEYWORDS GENESEQ; Human; actin associated protein compound subunit protein; hARP-20kDs; hypothalamus; patent; patentdb (v200420, 23-SEP-2004).
SOURCE Homo sapiens.
ORGANISM Homo sapiens.
REFERENCE 1 (bases 1 to 1101)
AUTHORS Xu,X., Qian,B., Yang,Y.
TITLE New human actin associated protein compound subunit protein, its coding sequence and preparing and detecting the protein and nucleic acid.
JOURNAL Patent: CN1281040-A; Filing Date: 27-JUN-2000; 2000CN-00116787; Publication Date: 24-JAN-2001; Priority: 27-JUN-2000; 2000CN-00116787; Assignee: (NANF-) NANFANG RES CENT STATE HUMAN GENE GROUP; Cross Reference: WPI; 2001-282650/30. P-PSDB; AAB97078; Patent Format: Claim 1; Page 16-17; 18pp; Chinese.
COMMENT The present sequence is provided in a specification relating to a new human actin associated protein compound subunit protein (hARP)-20kDs expressed in human hypothalamus and its coding sequence. The process for preparing the protein and its nucleic acid sequence and the method for detecting hARP-20kDs nucleic acid sequence and polypeptide are also disclosed
FEATURES Location/Qualifiers
BASE COUNT 291 a 226 c 279 g 305 t
ORIGIN

1037 100 0.0
BC012456 Homo sapiens chromosome 15 open reading frame 24, mRNA (cDNA clone IMAGE:3882530), partial cds. 1039 bp, mRNA, linear, PRI 06-JUL-2004

ACCESSION BC012456
VERSION BC012456.1 GI:15214654
KEYWORDS .
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1039)
AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Ketteman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.
TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
PUBMED 12477932
REFERENCE 2 (bases 1 to 1039)
AUTHORS Strausberg,R.
TITLE Direct Submission
JOURNAL Submitted (15-AUG-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
REMARK NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP/Gazdar
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome Sequencing Center
Center code: BCM-HGSC
Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Loulseged, H., Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati, A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
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          1035 bp, mRNA, linear, PRI 03-AUG-2000
ACCESSION   AJ245874
VERSION     AJ245874.1  GI:9715826
KEYWORDS    ORF1-FL1; putative ATG/GTP binding protein.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
  AUTHORS   Ievolella,C. and Lanfranchi,G.
  TITLE     Full-length of some new muscular transcript
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 1035)
  AUTHORS   Ievolella,C.
  TITLE     Direct Submission
  JOURNAL   Submitted (11-AUG-1999) Ievolella C., CRIBI Biotechnology Centre,
          Universita' di Padova, via G. Colombo 3, 35121, ITALY
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